

Appl. No. 10/602,958

Attorney Docket No. 10541-1722

III. Remarks

Applicants thank the Examiner for conducting the above referenced Case Interview.

By this paper, Applicants are amending claims 1, 4, 6, 7, 13, and 19, and paragraph [0038] of the Specification. Therefore, after entering this amendment, claims 1-21 are currently pending.

Reconsideration and further examination of this application in view of the above amendments and the following remarks is therefore respectfully requested.

Allowable Subject Matter

Applicants gratefully acknowledge the Examiner's indication in the above referenced Case Interview that claims 1-21 would be allowable if amended to overcome any rejections under 35 U.S.C. § 112. In response, Applicants have amended claims 1, 4, 6, 7, 13, and 19. Therefore, Applicants assert that claims 1-21 are allowable and such action is requested.

Amendments to the Specification

Paragraph [0038] has been amended to explicitly state "As is known in the art, the equation $x \in R$ means that x is an element in the set of R ." It is generally known in the art that the symbol \in refers to an element being in a set of numbers. Therefore, no new matter has been added.

Claim Rejections – 35 U.S.C. § 112

Responsive to the rejection of claims 1, 4, 6, 7, 9, and 13 under 35 U.S.C. § 112, Applicants have amended claims 1, 4, 6, 7, and 13 as follows.

Claim 1 has been amended to provide proper antecedent basis for the element "steer-by-wire closed-loop system control" in line 6; to provide proper antecedent basis for the element "vehicle" in line 11; to provide proper antecedent basis for the element "mathematical model" in line 13; to provide proper antecedent basis for the element "estimation" in line 14; and to provide proper antecedent basis for the element "residual generator" in line 16.

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Claim 4 has been amended to provide proper antecedent basis for the element "model variables" in line 3.

Claim 6 has been amended to provide proper antecedent basis for the element "modeling errors" in line 4.

Claim 7 has been amended to define the variable $B_2(v)$.

Claim 13 has been amended to refer to the variable v in line 7.

Claim 19 has been amended to provide proper antecedent basis for the element "steer-by-wire feedback control" in line 6; to provide proper antecedent basis for the element "steer-by-wire controlled plant" in line 7; to provide proper antecedent basis for the element "vehicle" in line 11; and to provide proper antecedent basis for the element "mathematical model" in line 13.


No new matter has been added in these amendments, and Applicants request that the rejections of these claims be accordingly withdrawn.

Conclusion

In view of the above amendments and remarks, it is respectfully submitted that the present form of the claims are patentably distinguishable over the art of record and that this application is now in condition for allowance. The Examiner is invited to contact the undersigned attorney for the Applicants via telephone number (734) 302-6000, if such communication would expedite this application.

Respectfully submitted,

September 20, 2004
Date



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Attachment: None

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